

# CARTRIDGE TANK SYSTEM



## CARTRIDGE TANK™



*Say goodbye to small and inefficient housings.  
Get rid of expensive stainless steel housings.*

The **Cartridge Tank™** offers extended life and service, and a more cost effective and efficient filtration solution.

The Cartridge Tank filtration system features an 8 x 40 composite tank with easy-to-access top and bottom openings for use with various filtration connections and solutions. Lightweight and cost effective with multiple configuration options, this is the filtration solution of the future!

### Features

- Extended service life, contaminant removal, and dirt holding capacity.
- Lightweight and cost-effective housing with high chemical compatibility.
- 100% non-metallic, NSF 61 and 42 listed device.
- 2.5"–8 NPSM PVC bottom assembly with 1.25 inch socket in/out (1.660") or 4.5" buttress PVC bottom assembly with 2 inch socket in/out (2.375") for multiple pipe requirement connections.
- All glue joints and connections are contained underneath and inside the vessel base for clean connections and visibly attractive systems for homeowners, businesses, and consumers.
- Patented, no tools necessary, snap ring design makes it easy to access the high capacity 6 x 30 cartridge. Full radial seal caps make replacement simple.
- Pressure release top opening with the plumbing connections at the bottom allows access and service to the filter without disrupting plumbing.
- 125 psi @ 100°F maximum operating pressure.

### Easy Access



Push red button until pressure is completely released.



Push black cap down.



Remove clip ring by pulling handle inward and upward.



Remove cap.



Replace cartridge.

### Applications

- Whole house POE requirements, whether for city or well water applications.
- Extreme loading conditions, RO systems, and any other pretreatment applications where high service flow and low pressure drop requirements are required or desirable.
- For customers that are tired of changing small 2.5 or 4 inch filters on a weekly or monthly basis.
- Replacement solution for expensive stainless steel housings... 100% plastic design.
- Ideal for most problem water issues where particulate contaminated water is concerned—with lower shear velocity these filters can load properly with particulates, unlike conventional filtration.

### Cartridge Tanks — WITHOUT CARTRIDGE

Part Number	Description	Inlet/Outlet
CTS-125	Cartridge Tank for use with CTS1 cartridges	1.25 inch Socket
CTS-200	Cartridge Tank for use with CTS2 cartridges	2 inch Socket

Top Cap Cover (P/N CTS-COVER) available to prevent water collection in top cap for outdoor installations.

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## Cartridge Tank Cartridges

Part Number	Usage	Series	Material	Flow Rate GPM		Micron Rating	Design	Type of Filtration
				@ 3 psid	@ 8 psid			

### CTS-125 Cartridge Tank Sediment Cartridges

CTS1-SW-PP-20-5	Sediment	Yellow	Polypropylene	20	36	20/5	String Wound	Depth
CTS1-SW-PP-50-20	Sediment	Yellow	Polypropylene	25	40	50/20	String Wound	Depth
CTS1-DP-PE-10-5	Sediment	Orange	Polyester	50	150	10/5	Double Pleated	Dual Gradient
CTS1-DP-PE-20-10	Sediment	Orange	Polyester	50	150	20/10	Double Pleated	Dual Gradient
CTS1-DP-PE-50-20	Sediment	Orange	Polyester	50	150	50/20	Double Pleated	Dual Gradient
CTS1-DP-A	Sub-micron, Bacteria, Cyst	Green	Micro-Glass Fiber with Cellulose / NanoAl with Biostat [1]	30	60	20/0.2 @ 99.99% Efficiency	Double Pleated Impregnated	Dual Gradient
CTS1-DP-ACB	Sub-micron, Bacteria, Cyst, Chlorine	Green	Micro-Glass Fiber with Cellulose / NanoAl with Biostat [1] / Carbon Block	35	60	20/0.2 @ 99.99% Efficiency	Double Pleated Impregnated & Carbon Block Core [2]	Dual Gradient & Carbon Block

### CTS-125 Cartridge Tank Carbon Block Cartridges

CTS1-CCB-3	Chlorine, Taste, Odor	Blue	Coconut Shell Carbon [3]	20	36	3	Carbon Block	Adsorption
CTS1-CCB-20	Chlorine, Taste, Odor	Blue	Coconut Shell Carbon [4]	25	43	20	Carbon Block	Adsorption
CTS1-ACB-3	Chloramine, Chlorine, Taste, Odor	Blue	Catalytic Coconut Shell Carbon [5]	20	36	3	Chloramine Carbon Block	Adsorption

### CTS-125 Cartridge Tank Empty Cartridges

CTS1-RC-E1	Media Dependent	White	Polypropylene Container	—	—	—	(1) 0.5 cu.ft. Chamber	Downflow
CTS1-RC-E2	Media Dependent	White	Polypropylene Container	—	—	—	(2) 0.25 cu.ft. Chambers	Downflow

### CTS-200 Cartridge Tank Sediment Cartridges

CTS2-SP-PP-1A	Sediment	Red	Polypropylene	20	53	1 Micron Absolute	Pleated	Surface
CTS2-SP-PP-1	Sediment	Red	Polypropylene	29	78	1	Pleated	Surface
CTS2-SP-PP-5	Sediment	Red	Polypropylene	37	100	5	Pleated	Surface
CTS2-SP-PE-20	Sediment	Red	Polyethylene	50	133	20	Pleated	Surface
CTS2-SP-PE-50	Sediment	Red	Polyethylene	62	150	50	Pleated	Surface
CTS2-SP-PP-150	Sediment	Red	Polypropylene Mesh	105	150	150	Pleated	Surface
CTS2-SP-PPC-5	Sediment, Chlorine	Red	Polypropylene / Carbon [6]	15	NA	5	Pleated / Impregnated	Surface
CTS2-MB-PP-5	Sediment	Purple	Polypropylene	—	100	5	Melt Blown	Depth
CTS2-MB-PP-20	Sediment	Purple	Polypropylene	—	100	20	Melt Blown	Depth

#### NOTES:

- Green Series cartridges use Agion® antimicrobial technology.
- > 200,000 gallons treatment capacity tested to NSF 42 standard
- 250,000 gallons @ 15 gpm with 90% reduction using 2 ppm free chlorine
- 150,000 gallons @ 7 gpm with 90% reduction using 2 ppm free chlorine
- 50,000 gallons @ 7 gpm with 85% reduction using 3 ppm chloramine
- 140,000 gallons @ 15 gpm for 90% chlorine reduction